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Db        557 TCTGCCCAGACAAACAGGGCCCGTAACGGCGAGCTCTATCGCTACATCGCTGATACCCAT 616

Qy       1993 GGTGCTTTCGTACAGCCGGCCTTGTATGAAGCGTTCGGTCTCACCGTCGTTGAGGCCATG 2052

Db        617 GGTGCTTTCGTACAGCCGGCCTTCTATGAAGCGTTCGGTCTCACCGTCGTTGAGGCCATG 676

Qy       2053 ACCTGTGGGCTTCCTACTTTCGCGACGCTCCATGGAGGTCCAGCTGAGATCATAGAGCAT 2112

Db        677 ACCTGTGGACTTCCTACTTTCGCGACGCTCCATGGAGGGCCAGCTGAGATCATAGAGCAT 736

Qy       2113 GGCGTCTCGGGCTTCCACATTGACCCGTACCACCCCGAACAGGCTGTTAATCTGATGGCC 2172

Db        737 GGCGTCTCGGGCTTCCACATTGACCCGTACCACCCCGAGCAGGCTGCTAATCTGATGGCC 796

Qy       2173 GACTTCTTCGACCGGTGCAAGCAAGACCCAGATCACTGGGTGAATATATCTGGAGCAGGG 2232

Db        797 GACTTCTTCGAGCGGTGCAAGCAAGACCCAGATCACTGGGTGAAAATATCTGGAGCAGGG 856

Qy       2233 CTGCAGCGCATATACGAGAAGTACACATGGAAGATATACTCAGAGAGGTTGATGACACTG 2292

Db        857 CTGCAGCGCATATACGAGAAGTACACATGGAAGATATACTCAGAGAGGTTGATGACACTG 916

Qy       2293 GCCGGGGTCTACGGTTTCTGGAAGTACGTGTCGAAGCTCGAGAGGCTGGAGACGAGGCGC 2352

Db        917 GCCGGGGTCTACGGTTTCTGGAAGTACGTGTCGAAGCTCGAGAGGCTGGAGACGAGGCGC 976

Qy       2353 TACCTTGAGATGTTCTACATACTGAAGTTCCGCGAGCTGGCGAAGACCGTGCCGCTTGCA 2412

Db        977 TACCTTGAGATGTTCTACATACTGAAGTTCCGCGAGCTGGCGAAGACCGTGCCGCTTGCA 1036

Qy       2413 ATTGACCAACCGCAGTAGCTTGCGCAACTGCGACTGCGTAGCACTTGGTACAAGACTGAA 2472

Db       1037 ATTGACCAACCGCAGTAGCTTGCGCAACTGCGACTGCGTAGCACTTGGTACAAGACTGAA 1096

Qy       2473 ACCTGAAGGACCTTCAGTAATTTAGGCGCGGCAGACGGTAGCCAATAAAATGTGCCGGAG 2532

Db       1097 ACCTGAAGGACCTTCAGTAATTTAGGCGCGGCAGACGGTAGCCAATAAAATGTGCCGGAG 1156

Qy       2533 CTGAACTGGTTTTT 2546

Db       1157 CTGAACTGGTTTTT 1170


RESULT 6
US-09-237-183A-1015
; Sequence 1015, Application US/09237183A
; Publication No. US20030135870A1
; GENERAL INFORMATION:
;  APPLICANT: Cheikh, No. US20030135870A1dine
;  APPLICANT:  Fisher, Dane K.
;  APPLICANT:  Liu, Jingdong
;  TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With The
;  TITLE OF INVENTION:  Sucrose Pathway
;  FILE REFERENCE: 38-21(15089)B
;  CURRENT APPLICATION NUMBER: US/09/237,183A
;  CURRENT FILING DATE:  1999-01-26
;  PRIOR APPLICATION NUMBER: US 60/067,000
;  PRIOR FILING DATE: 1997-11-24
;  NUMBER OF SEQ ID NOS: 2814
; SEQ ID NO 1015
;   LENGTH: 428
;   TYPE: DNA
;   ORGANISM: Zea mays
US-09-237-183A-1015

  Query Match             10.1%;  Score 278;  DB 10;  Length 428;
  Best Local Similarity   99.7%;  Pred. No. 5.1e-133;
  Matches  328;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2218 ATATCTGGAGCAGGGCTGCAGCGCATATACGAGAAGTACACATGGAAGATATACTCAGAG 2277

Db         63 ATATCTGGAGCAGGGCTGCAGCGCATATACGAGAAGTACACATGGAAGATATACTCAGAG 122

Qy       2278 AGGTTGATGACACTGGCCGGGGTCTACGGTTTCTGGAAGTACGTGTCGAAGCTCGAGAGG 2337

Db        123 AGGTTGATGACACTGGCCGGGGTCTACGGTTTCTGGAAGTACGTGTCGAAGCTCGAGAGG 182

Qy       2338 CTGGAGACGAGGCGCTACCTTGAGATGTTCTACATACTGAAGTTCCGCGAGCTGGCGAAG 2397

Db        183 CGGGAGACGAGGCGCTACCTTGAGATGTTCTACATACTGAAGTTCCGCGAGCTGGCGAAG 242

Qy       2398 ACCGTGCCGCTTGCAATTGACCAACCGCAGTAGCTTGCGCAACTGCGACTGCGTAGCACT 2457

Db        243 ACCGTGCCGCTTGCAATTGACCAACCGCAGTAGCTTGCGCAACTGCGACTGCGTAGCACT 302

Qy       2458 TGGTACAAGACTGAAACCTGAAGGACCTTCAGTAATTTAGGCGCGGCAGACGGTAGCCAA 2517

Db        303 TGGTACAAGACTGAAACCTGAAGGACCTTCAGTAATTTAGGCGCGGCAGACGGTAGCCAA 362

Qy       2518 TAAAATGTGCCGGAGCTGAACTGGTTTTT 2546

Db        363 TAAAATGTGCCGGAGCTGAACTGGTTTTT 391


RESULT 7
US-09-237-183A-533
; Sequence 533, Application US/09237183A
; Publication No. US20030135870A1
; GENERAL INFORMATION:
;  APPLICANT: Cheikh, No. US20030135870A1dine
;  APPLICANT:  Fisher, Dane K.
;  APPLICANT:  Liu, Jingdong
;  TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With The
;  TITLE OF INVENTION:  Sucrose Pathway
;  FILE REFERENCE: 38-21(15089)B
;  CURRENT APPLICATION NUMBER: US/09/237,183A
;  CURRENT FILING DATE:  1999-01-26
;  PRIOR APPLICATION NUMBER: US 60/067,000
;  PRIOR FILING DATE: 1997-11-24
;  NUMBER OF SEQ ID NOS: 2814
; SEQ ID NO 533
;   LENGTH: 303
;   TYPE: DNA
;   ORGANISM: Zea mays
US-09-237-183A-533

  Query Match             9.2%;  Score 255;  DB 10;  Length 303;
  Best Local Similarity   100.0%;  Pred. No. 4.3e-121;
  Matches  255;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1761 GCTGGTCGAAGCTTTTGCTAAGTGCGCTAAGCTGAGGGAGCTGGTAAACCTTGTCGTCGT 1820

Db          1 GCTGGTCGAAGCTTTTGCTAAGTGCGCTAAGCTGAGGGAGCTGGTAAACCTTGTCGTCGT 60

Qy       1821 TGCCGGGTACAATGATGTCAACAAGTCCAAGGACAGGGAAGAGATCGCGGAGATAGAGAA 1880

Db          61 TGCCGGGTACAATGATGTCAACAAGTCCAAGGACAGGGAAGAGATCGCGGAGATAGAGAA 120

Qy       1881 GATGCATGAACTCATCAAGACCCACAACTTGTTCGGGCAGTTCCGCTGGATCTCTGCCCA 1940

Db         121 GATGCATGAACTCATCAAGACCCACAACTTGTTCGGGCAGTTCCGCTGGATCTCTGCCCA 180

Qy       1941 GACAAACAGGGCCCGTAACGGCGAGCTCTATCGCTACATCGCTGATACCCATGGTGCTTT 2000

Db         181 GACAAACAGGGCCCGTAACGGCGAGCTCTATCGCTACATCGCTGATACCCATGGTGCTTT 240

Qy       2001 CGTACAGCCGGCCTT 2015

Db         241 CGTACAGCCGGCCTT 255


RESULT 8
US-10-080-114A-13
; Sequence 13, Application US/10080114A
; Publication No. US20030005482A1
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